



HP OmniBook X FlipNGAI 16-as0004na Copilot+ PC Intel Core Ultra 5 226V Hybrid (2-in-1) 40.6 cm (16") Touchscreen 2K 16 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Home Silver

Brand : HP

Product family: OmniBook X FlipNGAI

Product code: BG3G7EA

Product name : OmniBook X FlipNGAI 16-as0004na



- Intel Core Ultra 5 226V (up to 4.5 GHz with Intel Turbo Boost Technology, 8 MB L3 cache, 8 cores, 8 threads)
 - Windows 11 Home
 - 40.6 cm (16") diagonal 2K touch display
 - Intel Arc 130V GPU (8GB)
 - 16 GB LPDDR5x-8533 MT/s (onboard), 512 GB PCIe Gen4 NVMe M.2 SSD
- OmniBook X Flip 2-in-1 Laptop Next Gen AI 16-as0004na, Windows 11 Home, 16", Touch screen, Intel Core Ultra 5, 16GB RAM, 512GB SSD, 2K, Glacier silver

HP OmniBook X FlipNGAI 16-as0004na Copilot+ PC Intel Core Ultra 5 226V Hybrid (2-in-1) 40.6 cm (16") Touchscreen 2K 16 GB LPDDR5x-SDRAM 512 GB SSD Wi-Fi 7 (802.11be) Windows 11 Home Silver:

AI-boosterd brainpower to fuel work and play.

The HP OmniBook X Flip 16 NGAI PC combines AI-powered speed and performance for creative work and entertainment. Its large 16" display^[5] adapts to your viewing needs—flat, folded, or flipped—offering vibrant colors from every angle. Designed with a sleek recycled metal^[1] chassis and backlit keyboard with large keycaps for an elevated experience.

Design		Ports & interfaces	
Colour name	Glacier silver	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	2
Product type *	Hybrid (2-in-1)	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Product colour *	Silver	USB4 Gen 3x2 ports quantity	1
Form factor *	Convertible (Folder)	HDMI ports quantity *	1
Market positioning	Premium	HDMI version	2.1
Introduction year	2025	Thunderbolt 4 ports quantity	1
Country of origin	China	Intel® Thunderbolt 4	✓
Original brand name	HP	Microphone in	✓
Display		Combo headphone/mic port	✓
Display diagonal *	40.6 cm (16")	USB Type-C DisplayPort Alternate Mode	✓
Display resolution *	1920 x 1200 pixels	USB Sleep-and-Charge	✓
Touchscreen *	✓	USB Sleep-and-Charge ports	2
HD type	2K	Performance	
Panel type	IPS	Motherboard chipset	Intel SoC
Native aspect ratio	16:10	Accelerometer	✓
Display glass type	Edge to Edge Glass	Gyroscope	✓
Display bezel technology	Micro-Edge	Temperature sensor	✓
Display brightness	400 cd/m²	Keyboard	
Display diagonal (metric)	40.6 cm	Pointing device	Touchpad
RGB colour space	sRGB	Numeric keypad *	✗
Colour gamut	62.5%	Keyboard backlit	✓
sRGB coverage (typical)	62.5%	Island-style keyboard	✓
Processor		Full-size keyboard	✓
Processor manufacturer *	Intel	Keyboard colour name	Soft gray
Processor family *	Intel Core Ultra 5	Copilot key	✓
Processor generation	Intel Core Ultra (Series 2)		
Processor model *	226V		
Processor cores	8		
Processor threads	8		

Processor		Software	
Processor boost frequency	4.5 GHz	Pre-installed software	Copilot in Windows with Copilot key; Poly Camera Pro, 1 month trial for new Microsoft 365 customers, McAfee Online Protection 30-day trial; 1-month Adobe free trial offer; PC Game Pass 3-month trial
Performance cores	4		
Low Power Efficient-cores	4		
Performance-core Max Turbo Frequency	4.5 GHz		
Low Power Efficient-core Max Turbo Frequency	3.5 GHz		
Performance-core base frequency	2.1 GHz	Trial software	100 GB Dropbox storage for 3 months
Low Power Efficient-core Base Frequency	2100 MHz	Operating system installed *	Windows 11 Home
Processor cache	8 MB	Processor special features	
Processor cache type	L3	Intel® Turbo Boost Technology	✓
Processor base power	17 W	Brand-specific features	
Maximum turbo power	37 W	HP Audio Boost	✓
Neural processor unit (NPU)		HP speaker type	HP Dual Speakers
Copilot+ PC	✓	HP Connection Optimizer	✓
Neural processor unit (NPU)	Intel AI Boost	HP Support Assistant	✓
Sparsity support	✓	HP Imagepad	✓
Windows Studio effects support	✓	HP Security tools	Mic mute key; Camera privacy shutter; Trusted Platform Module (Firmware TPM) support
AI software frameworks supported by NPU	DirectML, OpenVINO, Windows ML, ONNX RT, WebNN	HP Software provided	HP Support Assistant; HP Connection Optimizer; HP Enhanced Lighting; HP AI Companion
Total processor performance up to	97 TOPs	HP segment	Home
NPU performance up to	40 TOPs	HP GTIN (EAN/UPC)	199251075261
GPU performance up to	53 TOPs	Battery	
Memory		Battery technology	Lithium Polymer (LiPo)
Internal memory *	16 GB	Number of battery cells	4
Internal memory type	LPDDR5x-SDRAM	Battery capacity *	68 Wh
Memory clock speed	8533 MHz	Battery life (max)	15.75 h
Memory form factor	On-board	Continuous video playback time (max)	23 h
Memory layout (slots x size)	Not available	Fast charging	✓
Maximum internal memory *	16 GB	Fast charging time (50%)	45 min
Storage		Power	
Total storage capacity *	512 GB	AC adapter power	65 W
Storage media *	SSD	AC adapter frequency	50 - 60 Hz
Total SSDs capacity	512 GB	AC adapter input voltage	100 - 240 V
Number of SSDs installed	1	USB Type-C charging port *	✓
SSD capacity	512 GB	USB Power Delivery (USB PD)	✓
SSD interface	PCI Express 4.0	Security	
NVMe	✓	Trusted Platform Module (TPM)	✓
SSD form factor	M.2	Password protection	✓
Optical drive type *	✗	Password protection type	BIOS, Power on
Graphics		Sustainability	
Discrete graphics card model *	Not available	Sustainability compliance	✓
On-board graphics card *	✓	Sustainability certificates	ENERGY STAR, EPEAT, EPEAT Gold
On-board GPU manufacturer	Intel	Sustainable technologies and materials	Ocean-bound plastic in speaker enclosure(s) and bezel; Recycled metal in cover, keyboard frame, base and hinge cap(s); Keyboard keycaps and scissors contain post-consumer recycled plastic
Discrete graphics card *	✗		
On-board graphics card family	Intel Arc Graphics	Weight & dimensions	
On-board graphics card model *	Intel Arc Graphics 130V	Width	356 mm
Audio		Depth	245.5 mm
Audio system	DTS:X Ultra	Height	15.3 mm
Built-in speaker(s)	✓	Weight *	1.88 kg
Number of built-in speakers	2		
Built-in microphone	✓		
Number of microphones	2		
Camera			
Front camera	✓		
Front camera resolution (numeric)	5 MP		

Camera	
Infrared (IR) camera	✓
Network	
Wi-Fi	✓
Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Wi-Fi standards	Wi-Fi 7 (802.11be)
Mobile network connection *	✗
Antenna type	2x2
WLAN controller model	Intel Wi-Fi 7 BE201
WLAN controller manufacturer	Intel
Bluetooth	✓
Bluetooth version	5.4

Packaging data	
Package width	80 mm
Package depth	423 mm
Package height	303 mm
Package weight	3.19 kg
Carbon footprint	
Total carbon footprint (kg of CO2e)	173.72
Carbon emissions, manufacturing (kg of CO2e)	157.043
Carbon emissions, logistics (kg of CO2e)	5.535
Carbon emissions, end-of-life (kg of CO2e)	0.615
Total carbon emissions, w/o use phase (kg of CO2e)	10.527
Packaging content	
AC adapter included *	✓
Keyboard included	✓
Technical details	
General Product Safety Regulation (GPSR) URL	https://support.hp.com/us-en/document/ish_6126692-6126777-16?openCLC=true ; HP REG 23010, 08028 Barcelona, Spain ; reg@hp.com
Other features	
UNSPSC-code	43211503
Supplied AC adapter type	Sandblasted anodized finish
	1 year (1/1/0) limited warranty includes 1 year of parts and labor.
Manufacturer warranty	No on-site repair. Terms and conditions vary by country. Certain restrictions and exclusions apply.



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